

College of Phys. & Surg.
New York. Nov. 1842

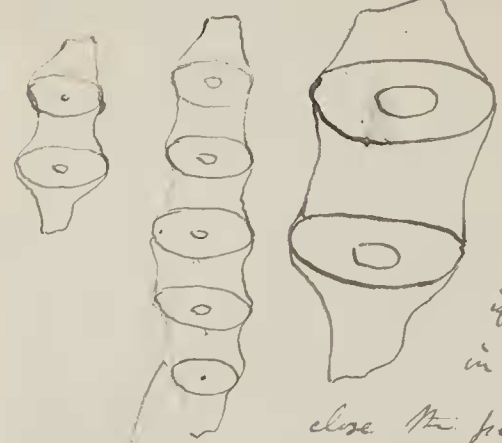
Dear Gray

I write in haste from Dr. Torrey's room
at the College - your old stamping ~~stand~~ - to ask you to
send the accompanying pamphlets in the way to reach those to whom
they are addressed - I believe I have sent about as many as I
did before, but I have forgotten the names of all those to whom
copies were first sent - I have just sent a package to Quebect
with copies for English Colonists &c. - but have sent none to the Continent

I am busy on the subject of the crystalline matter in plants particularly
trees, and think I have got some interesting general conclusions, and novel
matter, novel at least as far as I can judge from the English and
French publications on this subject - I want you to look into Meyen's
first volume and see if there is much important matter on this subject -
If there is, will you send me the vol for Harnden's express to care of Dr
Chilton - or if short, scribble off for me the high Dutch and I can make out
its meaning tolerably well - I have the 3^d vol of Meyen belonging
to you and will leave it with Dr. Torrey for you

I noticed a day or two ago, a curious structure in the external

portion of the vascular bundles of *Copuntia vulgaris* - Outside of the
chiral vessels there is a good deal of tissue composed of cells like those



having very thin walls, and very thick discs or rings,
~~which~~ dividing the large cell into smaller ones

The discs sometimes show only a central spot indicating a
perforation - The structure is such as would result
from a common annular duct, the rings should thicken
in the direction of its plane so as wholly or partially to
close the perforation - I strongly suspect that is really the origin

of these discs, but I find no mention of any thing analogous in Lindley, botany

I hope you find your new duties and situation very pleasant

As I write in much haste excuse ~~some~~ abrupt termination

and believe me ever cordially

Yr. Dear

Your friend

J. W. Bailey

Asa Gray M.D.

Professor of Nat. Hist.

Harvard University

Cambridge Mass